

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	58	(drill adj collar) same (centralizer stabilizer) same (clamp\$3 clamshell split)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 15:29
L4	36	("2813697"   "3164216"   "3292708"   "3370894"   "3410613"   "3420323"   "3528499"   "3560060"   "3894779"   "3894780"   "3916998"   "3933203"   "3938853"   "3945446"   "4011918"   "4036539").PN. OR ("4275935").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 15:42
L5	4	4 and (jar jarr\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 15:43
L41	4920	((166/177.7) or (175/65) or (175/320) or (175/325.5) or (366/295) or (166/173) or (166/175) or (166/241.3) or (166/241.4) or (166/241.6) or (175/102) or (175/325.2) or (175/325.3)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/06/13 16:46
L42	33	L41 and (@pd> "20110301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 16:46
S95	55	drill\$3 and ((stabilizer centralizer) same clamp\$3) and (jar jarr\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/12 23:48
S96	5105	(centralizer stabilizer) same (clamp\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:32
S97	139	S96 same (impact\$3 jar jarr \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:32
S98	103951	"166"/\$.ccls. "175"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:33
S99	11	S97 and S98	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:33

S100	53	(centralizer stabilizer) same (clamshell clam?shell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:35
S101	0	S100 and S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:35
S102	1090	(centralizer stabilizer) same (clamp\$3) same (impact force impulse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:36
S103	83	S98 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/13 11:36
S104	20	("20020084077"   "20030021634"   "3623968"   "3697141"   "3990478"   "4185694"   "4633801"   "5336020"   "5803193"   "5806615"   "5873677"   "5901798"   "6032748"   "6305723"   "6422316"   "6422791"   "6467545").PN. OR ("7096940").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:00
S105	1	S104 and jarr\$3	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:04
S106	80	("1974546"   "2064336"   "2378738"   "2387725"   "2424027"   "2657101"   "2715552"   "2739018"   "2758891"   "2860013"   "2973996"   "3049382"   "3094360"   "3129982"   "3148004"   "3164216"   "3276824"   "3397017"   "3442558"   "3482889"   "3592515"   "3642079"   "3680647"   "3894780"   "3933203"   "3933395"   "3938853"   "4000549"   "4042023"   "4245709"   "4275935"   "4381821"   "4436158"   "4484785"   "4487433"   "4531582"   "4549613"   "4601334"   "4602690"   "4606417"   "4630690"   "4776410"   "4794986"   "4796670"   "4865138"   "4984633"   "5095981"   "5190324"   "5191938"   "5261488"   "5465759"   "5480193"   "H001192").PN. OR ("5806615").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:06

S107	2	S106 and jarr\$3	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:06
S108	35	("0146207"   "0565698"   "1940332"   "1965998"   "1974546"   "3425727"   "3709569").PN. OR ("3894780").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:07
S109	1	S108 and jarr\$3	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:07
S110	21	("2860013"   "2897016"   "3054646"   "3894780"   "4266578"   "4336637"   "4796670"   "5409280"   "5901798").PN. OR ("6250406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:10
S111	1	S110 and (jar jarr\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:10
S112	12	("1926582"   "1974546"   "20020038727"   "2252978"   "5069297"   "5579854"   "5692563"   "6032748"   "6250406").PN. OR ("7025136").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:10
S113	0	S112 and (jar jarr\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 12:10

**EAST Search History (Interference)**

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**6/ 13/ 2011 4:49:35 PM****C:\Documents and Settings\rfuller1\My Documents\EAST\Workspaces\10\_594,157 - Mobilising  
Drill Cuttings.wsp**